MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

NOVEMBER 1923

J. A. BROWN, DIRECTOR

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MAR 25 1924

NOVEMBER 1923

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C. Sea level and 45° Latitude				Thermometer Cent. (Corrected)			Bright Sunshine hrs.	Rain m.m.
	8:30	2:30	8:30	mean	Max.	Min.	Min. on grass		
1	756.3	756.1	758.1	756.8	21.9	16.2		2.1	17.14
2	9.8	9.2	60.6	9.9	22.5	13.5		6.9	3.05
3	62.1	62.4	4.0	62.8	22.7	16.5		6.5	
4	5.6	5.1	5.7	5.5	22.6	16.8		8.7	
5	5.5	5.3	5.7	5.5	23.4	18.1	—	9.0	—
6	5.9	4.8	5.1	5.3	24.3	18.8		7.6	
7	4.8	3.7	5.9	4.8	24.3	18.6		9.5	
8	5.1	3.4	3.7	4.1	23.7	19.0		7.5	
9	4.3	3.6	3.9	3.9	24.0	19.8		8.9	
10	4.6	3.2	2.8	3.5	24.9	19.8	—	6.5	—
11	3.0	1.4	1.8	2.1	25.2	19.0		8.2	
12	1.7	0.2	0.9	0.9	24.1	18.5		9.0	
13	1.5	0.9	1.3	1.2	23.2	17.8		9.0	
14	1.8	0.7	1.1	1.2	22.8	17.8		6.7	
15	2.3	0.9	2.0	1.7	22.6	18.2	—	6.7	—
16	3.8	3.0	3.5	3.4	22.2	16.9		8.7	
17	3.0	1.6	1.1	1.9	24.1	18.6		5.3	
18	58.6	58.0	59.2	58.6	23.4	18.9		4.5	
19	61.1	61.4	62.8	61.8	22.5	16.8		9.0	
20	59.9	58.5	58.5	59.0	24.6	19.1	—	7.6	6.35
21	64.0	62.9	63.9	63.6	21.9	16.7		6.9	
22	4.2	3.2	2.4	3.3	22.4	16.2		8.9	
23	3.3	2.4	2.5	2.7	24.2	18.4		8.1	
24	3.7	3.0	3.4	3.4	23.3	19.1		7.6	
25	5.0	3.9	4.4	4.4	23.0	18.8	—	8.9	—
26	5.1	4.0	4.2	4.4	22.7	17.6		8.5	
27	5.3	5.0	5.1	5.1	22.1	17.2		8.4	
28	6.0	5.4	5.7	5.7	22.1	16.2		8.2	
29	6.0	5.0	5.2	5.4	21.7	16.2		8.7	
30	5.6	3.5	4.0	4.4	22.1	16.2		8.2	
31									
	763.3	762.4	762.9	762.8	23.2	17.7		7.7	26.54

BAROMETER

Maximum	766.0	on 28th & 29th
Minimum	756.1	on 1st

THERMOMETER

Maximum	25.2	on 11th
Minimum	13.5	on 2nd
Minimum on grass		on

RAINFALL

Maximum 17.14 mm. on 1st

Number of days with rain 3 thunderstorms 1 fog 0 gale 1

NOVEMBER 1923

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Date	Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of Vapour mm.				Relative Moisture per cent.			
	8:30	2:30	8:30	mean	8:30	2:30	8:30	8:30	2:30	8:30	mean	8:30	2:30	8:30	mean
1	18.4	21.2	17.1	18.8	15.6	16.4	15.4	11.3	10.9	12.0	11.4	72	58	83	71
2	18.3	22.1	18.6	19.7	14.4	16.6	15.4	10.0	10.8	11.1	10.6	63	56	70	63
3	20.2	22.5	19.9	20.9	15.8	18.1	16.3	10.8	12.6	11.5	11.6	61	61	66	63
4	20.6	22.0	21.3	21.3	16.6	16.7	16.8	11.5	11.0	11.4	11.3	64	55	61	60
5	21.7	23.2	22.5	22.5	17.6	17.8	18.6	12.3	11.9	13.3	12.5	64	56	65	62
6	22.1	23.9	21.1	22.4	18.2	19.0	17.5	13.0	13.1	12.5	12.9	66	59	67	64
7	22.6	23.8	22.8	23.1	17.5	19.4	19.5	11.7	13.8	14.5	13.3	57	63	70	63
8	21.7	23 1	22.7	22.5	17.9	16.2	17.1	12.7	10.0	11.2	11.3	66	48	54	56
9	22.4	23.4	22.7	22.8	17.1	18.6	18.7	11.3	12.8	13.3	12.5	55	60	66	60
10	22.1	24.9	22.9	23.3	18.1	19.4	20.1	12.8	13.2	14.9	13.6	64	57	69	63
11	22.3	24.9	23.2	23.5	19.6	19 4	17.4	15.0	13.2	11.4	13.2	75	57	54	62
12	21.2	23.7	19 8	21.8	17.7	18.6	18.1	12.8	12.6	14.3	13.2	69	58	83	70
13	20.4	23.2	19.3	21.0	17.9	20.1	18.1	13.5	20.1	18.1	17.2	76	73	88	79
14	20.6	22.7	20.4	21.2	16.8	17.8	18.0	11.7	12.1	13.6	12.5	65	59	76	67
15	19.9	21.8	18.7	20.1	17.7	17.0	15.7	13.4	11.5	11.6	12.2	77	58	72	69
16	19.6	21.8	21.4	20.9	16.5	18.2	17.4	12.0	13.2	12.3	12.5	71	68	65	68
17	23.4	23.3	21.7	21.8	16.3	18 4	18.7	9.9	12.7	13.9	12.1	46	59	71	59
18	21.4	22.3	19.5	21.1	19.0	17.6	16.5	14.6	12 1	12.1	12.9	76	59	72	69
19	19.8	22.1	18.8	20.2	17.4	17.3	16.3	13.1	11.7	12.2	12.3	76	59	76	70
20	23.4	23.4	20.3	22.4	18.8	18.9	18.6	13.1	13.3	14.6	13.7	61	62	82	68
21	20.1	21.4	18.2	19.9	16.5	15.9	15.2	11.7	10 3	10.9	10.9	67	54	71	64
22	19.2	22.1	20.1	20.5	14.9	17.8	17.6	10.1	12.3	13.2	11.9	61	62	76	66
23	22.3	23.3	21.2	22.3	19.9	19.1	19.8	15.1	13 6	16.1	14.9	78	64	85	76
24	21.7	22.7	21.1	21.8	16.0	16.2	18.1	10.3	10.1	14.0	11.5	53	49	80	61
25	20.7	22.2	18.6	20.5	17.2	18.9	17.6	12.3	13 9	14.3	13.5	67	69	90	75
26	19.6	22.3	21.3	21.1	14.4	17.7	17.3	9.5	12.1	12.1	11.2	55	59	64	59
27	19.0	21.5	17.8	19.4	14.7	17.2	15.6	10.0	11.8	11.8	11.2	61	62	78	67
28	18.2	21.1	18.4	19.2	13.1	17.1	15.8	8.5	11.9	11.6	10.7	54	64	74	64
29	21.1	20.4	18.9	20.1	19.6	16.5	15.8	8.3	11.5	11.4	10.4	44	64	71	60
30	20.3	21.9	21.1	21.1	15.0	15.9	16.0	9.7	10.0	10.5	10.1	54	51	56	54
31															
	20.8	22.6	20.4	21.2	16.9	17.8	17.3	11.7	12.3	12.9	12.3	64	59	72	65

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.

Height of Rain Guage: above ground 0.56 m.; above sea level 30.31 m.

Gravity Correction −0.79mm.

Time of readings according to Standard Time of 30th E. Meridian.

NOVEMBER 1923

METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	2:30	8:30	mean	8:30	2:30	8:30	Km.		
1	9cu n	2cu ci	7n	6.0	0	2	1	303.6	calm	first snow visible. Gale
2	8cu n	1s	0	3.0	0	2	1	143.1	v. slight	
3	2ci s	6cu s	0	2.7	0	1ne	1ne	68.7	calm	
4	2s	0	0	0.7	0	1ne	2ne	94.4	,,	
5	0	0	0	0	1ne	2ne	3ne	109.7	v. slight	
6	0	3ci	0	1.0	1w	2ne	0	284.6	,,	
7	0	0	0	0	0	2ne	3ne	134.7	,,	
8	0	3s	0	1.0	0	2ne	3n	157.8	,,	
9	0	0	0	0	0	3nw	3ne	353.1	slight	
10	6s	4s	0	3.3	0	2ne	2ne	380.4	,,	
11	1	2s	0	1.0	0	0	1	134.7	calm	
12	0	0	0	0	0	2	0	76.9	,,	dew at night
13	0	3	2s	1.7	0	2	0	71.4	,,	
14	3cu s	3cu s	2cu n	2.7	0	1	2n	41.0	v. slight	lightning in
15	4cu n	0	0	1.3	0	0	0	147.7	,,	west. Trace
16	0	0	0	0	0	2e	1e	143.7	calm	
17	6cu s	2	0	2.7	0	1e	1ne	156.7	,,	sirocco
18	1	3	3ci	2.3	1	0	0	114.3	,,	
19	1	0	0	0.3	0	0	0	123.6	,,	
20	0	0	0	0	1	1	0	129.8	,,	
21	7	0	0	2.3	0	2	0	112.1	,,	
22	0	0	0	0	0	1ne	0	103.3	v. slight	dew in eve
23	2	1ci	2ci	1.7	0	1ne	0	113.9	calm	
24	1	0	0	0.3	0	2e	0	124.7	,,	
25	0	0	0	0	0	0	0	115.4	,,	
26	0	0	0	0	0	2ne	3ne	110.2	v. slight	
27	0	0	0	0	0	0	0	136.2	calm	
28	0	0	0	0	0	1ne	0	124.6	,,	
29	0	0	0	0	0	0	0	134.1	,,	
30	0	0	0	0	2ne	3ne	0	122.1	v. slight	
31										
				1.1				148.9		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	0	2	0	0	0	2	1	0	25
2:30	0	12	3	0	0	7	0	1	7
8:30	2	8	1	0	0	3	0	0	16
Totals	2	22	4	0	0	12	1	1	48

N.B.—Cloud numbers without letters are all cu.
Wind ,, ,, ,, ,, ,, sw.